

Appl. No. 09/643,224
Amdt. Dated February 24, 2004
Reply to Office action of November 25, 2003
Attorney Docket No. P11832/64645-1026
EUS/J/P/04-6037

Listing of Claims:

1-20. (Cancelled)

A1
21. (New) A method for establishing a packet communications link within a packet based communication network having a first call control server communicating with a first media gateway and a second call control server communicating with a second media gateway wherein said first media gateway provides communication link to a calling party terminal and said second media gateway provides communication link to a called party terminal, in response to a circuit switched call setup message, comprising the steps of:

providing a controlling signal from said first call control server to said first media gateway for establishing a first termination point for connecting said first media gateway with said calling party terminal wherein said first media gateway further performing interworking function (IWF) to connect said calling party terminal communicating circuit switched data to said packet based communications network;

generating a circuit switched call setup message from said first call control server to said second call control server associated with said called party terminal, said call setup message further including identification data associated with said first media gateway;

providing a controlling signal from said second call control server to said second media gateway for establishing a second termination point for connecting said second media gateway with said called party terminal wherein said second media gateway

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further performing interworking function (IWF) to connect said called party terminal communicating circuit switched data to said packet based communications network; and establishing a call specific packet communication link from said second media gateway to said first media gateway for communicating data between said calling party terminal and said called party terminal.

22. (New) The method of Claim 21 wherein the establishment of the first termination point further comprises the establishment of a third termination point within said first media gateway for communicating packet data with said second media gateway.

23. (New) The method of Claim 22 wherein the establishment of the third termination point further comprises issuance of a response containing the information associated with the address of the third termination point from the first media gateway to the first call control server.

24. (New) The method of Claim 23 wherein said third terminal point comprises a UDP port number associated with said first media gateway.

25. (New) The method of Claim 23 wherein said third terminal point is further communicated from the first call control server to said second call control server within said generated call setup message.

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26. (New) The method of Claim 21 wherein the generation of a call setup message from said first call control server to said second call control server comprises transmitting a call setup message over a circuit switch network connection.

27. (New) The method of Claim 26 wherein said call setup message comprises an ISDN User Part (ISUP) signal.

28. (New) The method of claim 21 wherein said controlling signal from said first call control server to said first media gateway uses H.248 protocol over a packet communication link.

29. (New) The method of Claim 21 wherein the establishment of the second termination point further comprises the establishment of a fourth termination point within said second media gateway for communicating packet data with said first media gateway.

30. (New) The method of Claim 29 wherein said establishment of said communication link comprises the step of establishing a link from said second media gateway to said first media gateway using said fourth termination point and said third termination point as two terminating addresses.

31. (New) The method of Claim 21 wherein the issuance of said controlling signal from said first call control server to said first media gateway comprises the issuance of an ADD message.

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32. (New) A packet based communication network including a first media gateway for communicating and interworking with a first party terminal, a first call control server for controlling said first media gateway and a second media gateway for communicating and interworking with a second party terminal, and a second call control server for controlling said second media gateway, said packet based communication network comprises:

means within said first call control server for instructing said first media gateway to establish a first termination point for communicating with said first party terminal wherein said first media gateway performing interworking function for receiving circuit switched data from said first party terminal and a second termination point for communicating with said second media gateway in response to receiving a call setup request from said first party terminal towards said second party terminal; and

means within said first call control server for generating a circuit switched based call setup message towards said second call control server wherein said call setup message includes identification data associated with said second termination point.

33. (New) The first call control server 118 of Claim 32 wherein said means for generating said call setup message generates an ISDN User Part (ISUP) signal over a circuit switch network connecting said first call control server with said second call control server.

34. (New) The ISUP signal of Claim 33 further comprising UDP information associated with said second termination point within said first media gateway.

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35. The packet based communication network of claim 32 wherein said means within said first call control server uses H.248 protocol over a packet based link for instructing said first media gateway.

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36. (New) A method for establishing a communications link between a first party terminal and a second party terminal within a packet based communication network having a first call control server communicating with a first media gateway and a second call control server communicating with a second media gateway wherein said first media gateway provides communication link to said first party terminal and said second media gateway provides communication link to said second party terminal, in response to a call setup message, said method comprises the steps of:

receiving a circuit switched based call setup message at said first call control center for establishing a communication link from said first party terminal to said second party terminal;

instructing said first media gateway from said first call control center to establish a first termination point for communicating with said first party terminal and a second termination point for communicating with said second party terminal wherein said first media gateway further performing interworking function for communicating circuit switched data received from said first party terminal over said packet based communication network; and

transmitting by said first call control server a circuit switched call setup message towards said second call control center serving said second party terminal wherein said call setup message further includes data identifying said second party terminal and said

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second termination point enabling said second call control server to instruct said second media gateway to establish a call specific packet communication link directly with said second termination point within said first media gateway.

37. (New) The method of Claim 36 wherein said call setup message transmitted by said first call control server comprises an ISDN User Part (ISUP) signal.

38. (New) The method of Claim 36 wherein said second termination point includes a UDP information with said second termination point within said first media gateway.

39. (New) The method of Claim 36 wherein said second media gateway establishes a call specific packet communication link towards said first media gateway using said second termination point as the destination address.

40. (New) The method of Claim 36 wherein said step of instructing uses H.248 protocol over a packet based communication link between said first call control center and said first media gateway.